

REMARKS

Interview Summary:

Applicant and Applicant's undersigned representative thank the Examiner for conducting the telephonic interview on March 9, 2005. Applicant's undersigned representative has reviewed the Examiner's comments regarding the interview, set forth in the form PTOL-413, and Applicant's undersigned representative has no further comments regarding the interview.

Further, Applicant thanks the Examiner for affording Applicant time to file this Supplemental Amendment in light of the aforementioned interview.

Applicant's comments are set forth below:

35 U.S.C. § 112, 1st Paragraph Rejection - Claims 3-5:

Claims 3-5 stand rejected under 35 U.S.C. § 112, 1st paragraph as containing subject matter not specifically defined in the application as filed.

As an initial matter, Applicant notes that although the Examiner has indicated that claims 3-6 stand rejected, Applicant submits that this rejection applies only to claims 3-5, as claim 6 is an independent claim. Applicant proceeds under this presumption, and notes that claim 5 has been canceled without prejudice or disclaimer.

In light of the discussions with the Examiner, Applicant submits that claims 3-5 (now only claims 3 and 4) are directed to the non-limiting embodiment shown in Figures 13 to 15 of the present application, and not Figures 11 to 13. Further, because the claimed "retaining portions" as set forth in claim 3 are not depicted in Figures 13 to 15, Applicant has removed this limitation from the claim.

Further, Applicant has amended claim 3 to incorporate the limitation of claim 5.

In reviewing claim 3 vis-à-vis the Kondo reference (previously applied by the reference), Applicant notes that Kondo fails to disclose, teach or suggest having soldering portions held on a land portion of a substrate by soldering, where an indented portion is formed in a peripheral side of a central portion of the land portion located between the terminal inserting holes. This is shown in at least Figures 14 and 15 of the present application, where indented portions 23b are formed in a peripheral side of a central portion of the land portion located between the terminal inserting holes 23a. Figures 14 and 15.

Because the prior art fails to disclose, teach or suggest this feature of the present invention, Applicant submits that claims 3 and 4 are allowable, and hereby requests the Examiner reconsider and withdraw the above 35 U.S.C. § 112, 1st paragraph, rejection of the claims.

35 U.S.C. § 102(b) Rejection - Claim 6:

Claim 6 continues to stand rejected under 35 U.S.C. § 102(b) as being anticipated by the Quillet reference (previously applied). In view of the following discussion, Applicant respectfully traverses the above rejection.

As indicated in the Examiner's Interview Summary, the Examiner has read the language of the claim such that the "wide flat" portion was parallel to the longitudinal axis of the terminal. However, Applicant submits that the "wide flat" portion of the terminal refers to a cross-sectional shape of the terminal. This is shown in at least Figures 10 to 12, as opposed to Figures 11 to 13, as suggested by the Examiner.

Namely, the terminal 26, shown in at least Figure 11, has a wide flat cross-sectional shape. However, to make this aspect of the claimed invention clear, Applicant has amended

claim 6, as shown in the previous section. Applicant submits that this amendment makes this aspect of the claimed invention clear, and sufficiently distinguishes the referenced prior art for the arguments previously presented.

As previously argued, Figures 2 and 3, of Quillet, disclose a bent terminal 3. However, contrary to the Examiner's assertions there is no disclosure of the terminals having a wide-flat portion formed by being bent at an intermediate portion of the terminal. Applicant has reviewed Quillet in detail and has found no reference of the terminal having a wide-flat portion. In fact, as indicated previously, the terminals 3 are simply round terminals. Thus, for at least this reason, Applicant submits that Quillet fails to anticipate the claimed invention.

Additionally, Quillet relates to an insulation, and the terminal of Quillet has a circular shape because the terminal is not considered a heat release. Stated differently, the terminal of Quillet is not being used to dissipate heat passing through or via the terminal. Because the terminal is not being used as a heat release there is no need to increase the surface area of the terminal. Thus, the terminal in Quillet is circular in cross-section. It is well known that to increase heat transfer or dissipation the surface area of the contact surfaces should be increased to increase the rate of heat transfer. However, because Quillet is not directed to this and the terminals are not used to dissipate heat, they are round and do not have wide-flat portions, as claimed.

Contrary to Quillet, the terminal of the claimed invention has the flat portion to be in contact with other portion for the heat release aspects of this portion. The flat portion causes high efficiency of the heat release. Therefore, Quillet fails to disclose each and every feature of the claimed invention.

SUPPLEMENTAL AMENDMENT UNDER 37 C.F.R. §1.111
Application Number 10/091,183

Our Ref: Q68816
Art Unit: 2833

Accordingly, Applicant hereby requests the Examiner reconsider and withdraw the above
35 U.S.C. § 102(b) rejection of the claims.

Conclusion:

In view of the above, reconsideration and allowance of this application are now believed
to be in order, and such actions are hereby solicited. If any points remain in issue which the
Examiner feels may be best resolved through a personal or telephone interview, the Examiner is
kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue
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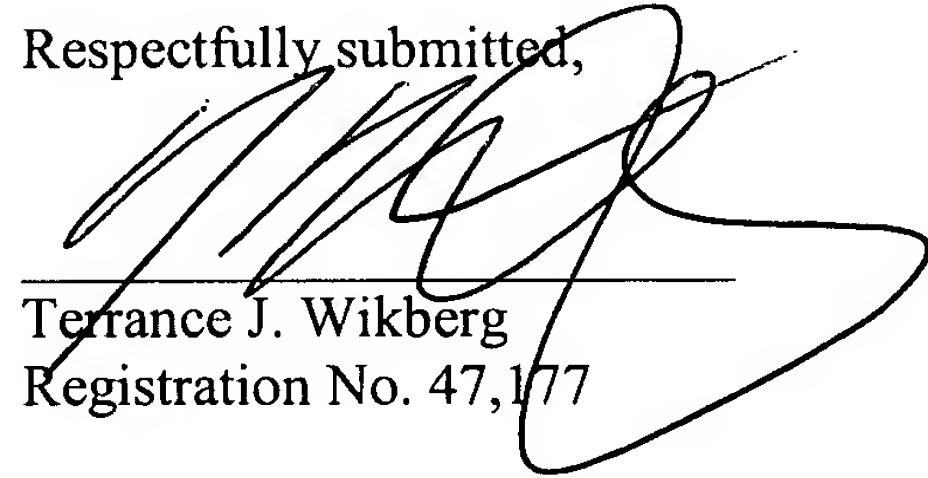
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